CLAIMS

What is claimed is:

1. A method for operating a general purpose computer comprising:

inputting a source;

matching identities to the source using open-ended inviting to obtain a self-manipulating tree, wherein instructions for obtaining the self-manipulating tree are contained within the identities; and

activating the self-manipulating tree to operate the computer.

2. A method according to claim 1, wherein the self-manipulating tree comprises a plurality of nodes connected hierarchically, and wherein each node comprises information for navigating through the self-manipulating tree.

3. A method according to claim 1, wherein the self-manipulating tree comprises a plurality of nodes connected hierarchically, and wherein each node comprises:

information for identifying relationships between nodes in the self-manipulating tree; and

information for identifying an identity.

4. A method according to claim 1, wherein the self-manipulating tree comprises a plurality of nodes connected hierarchically, and wherein each node comprise:

first information for identifying a sibling node to the right of the node;

second information for identifying a leftmost child node of the node; and

third information for identifying an identity.

5. A method according to claim 1, wherein the identities comprise at least one of an executable code, another self-manipulating tree, and a standard identity.

6. A method according to claim 1, wherein the identities comprise at least one standard identity.

7. A method according to claim 5, wherein the at least one standard identity comprises at least one of a representation of internal knowledge of the computer, instructions for replacing the source, external constraints for generating nodes in the self-manipulating tree, instructions for evaluating identities for open-ended inviting, instructions for self-manipulating, and a source identifier.

8. A method according to claim 1, wherein matching comprises:

open-ended inviting a plurality of identities for matching to a root node of the self-manipulating tree;

selecting an identity from the plurality of identities for the root node of the self-manipulating tree; and

modifying the self-manipulating tree with the selected identity.

9. A method according to claim 1, wherein the self-manipulating tree comprises at least one node, and wherein matching comprises:

selecting a node of the self-manipulating tree;

open-ended inviting a plurality of identities for matching to the selected node of the self-manipulating tree;

selecting an identity from the plurality of identities for the selected node of the self-manipulating tree; and

modifying the self-manipulating tree with the selected identity.

10. A method according to claim 1, wherein matching comprises:

forming an identities list having a plurality of identities;

selecting an identity from the identities list;

experimenting with the selected identity to determine whether the selected identity matches the source; and

indicating whether the selected identity matches the source.

11. A method according to claim 1, wherein the self-manipulating tree comprises a root node and an identity associated with the root node, and wherein activating comprises:

activating the root node of the self-manipulating tree; and

self-manipulating the self-manipulating tree according to the identity associated with the root node, wherein instructions for self-manipulating are contained within the self-manipulating tree.

12. A method according to claim 1, wherein matching comprises:

forming an identities list from identities associated with a plurality of regions.

13. A method according to claim 1, wherein matching comprises:

selecting identities from a plurality of regions.

14. A method according to claim 1, further comprising:

operating the general purpose computer to access information using a network.

15. A computer architecture comprising:

a general purpose computer; and

a computer-readable medium comprising:

a plurality of self-manipulating trees; and

a plurality of standard identities.

16. A computer architecture according to claim 15, wherein each self-manipulating tree comprises a plurality of nodes being connected hierarchically, and wherein each node comprises:

information for determining relationships between nodes in the self-manipulating tree; and

information for identifying one of an executable code, a self-manipulating tree, and a standard identity.

17. A computer architecture according to claim 15, wherein each standard identity comprises at least one of a representation of knowledge, instructions for replacing a source, external constraints for generating nodes in a self-manipulating tree, instructions for evaluating identities for open-ended inviting, instructions for self-manipulating, and a source identifier.

18. A computer architecture according to claim 15, wherein the computer is parser-free.

19. A computer-readable medium comprising:

executable code;

a self-manipulating tree; and

a plurality of standard identities.

20. A computer-readable medium according to claim 19, wherein the self-manipulating tree comprises a plurality of nodes being connected hierarchically; and wherein each node comprises:

information for determining relationships between nodes in the self-manipulating tree; and

information for identifying one of an executable code, another self-manipulating tree, and a standard identity from the plurality of standard identities.

21. A computer-readable medium according to claim 19, wherein each standard identity comprises:

a representation of knowledge;

instructions for replacing a source;

external constraints for generating nodes in a self-manipulating tree;

instructions for evaluating identities for open-ended inviting;

instructions for self-manipulating; and

a source identifier.

22. An apparatus for accessing information from a network comprising:

a general purpose computer connected to the network and having an input for receiving a source; and

a computer-readable medium comprising a self-manipulating tree matched to the source, the self-manipulating tree being matched to identities using open-ended inviting, the self-manipulating tree being activated to access information from the network.

23. An apparatus according to claim 22, wherein the network is the Internet.

24. A computer-readable medium comprising code segments for accessing information requested by a source input to a general purpose computer connected to a network, the code segments comprising:

a self-manipulating tree matched to the source, the self-manipulating tree being matched to identities using open-ended inviting, the self-manipulating tree being activated to access information from the electronic data network.

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